

WBS 1.9 Facility Modifications

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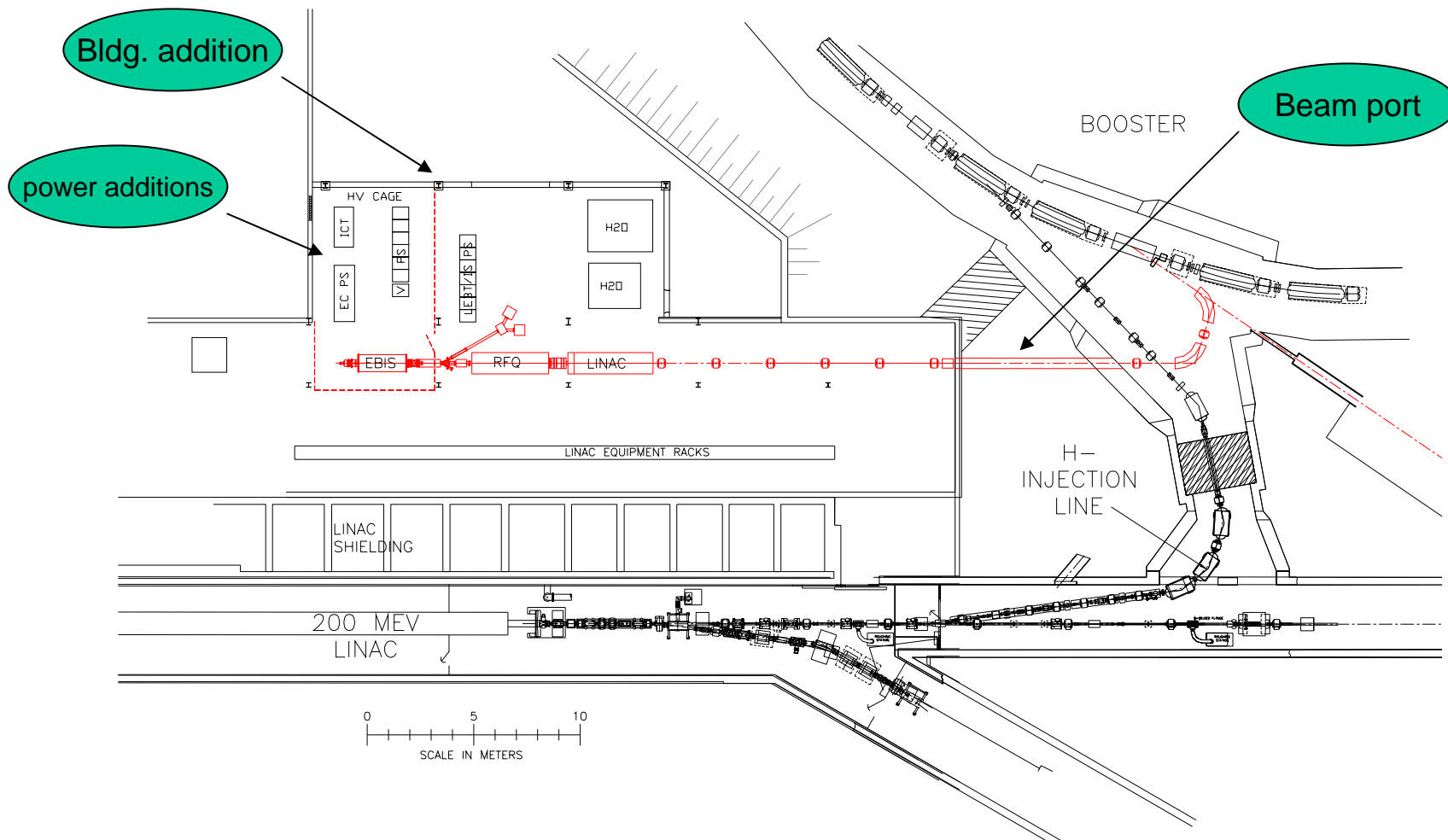
- 1.9.1 – Beam access port (L.S. Contract +BNL Labor)
 - Provides an access sleeve for the EBIS beam line between the LINAC building & the Booster injection area.
 - Includes removal & re-installation of existing utilities & equipment in the Booster injection area.

Basis of estimate ----- Similar contracts

- 1.9.2 – Power Modifications (L.S. Contract + BNL Labor)
 - Provides AC power from an existing sub-station to disconnect switches in the area and then to all EBIS equipment.
 - Includes all material and labor to accomplish this.

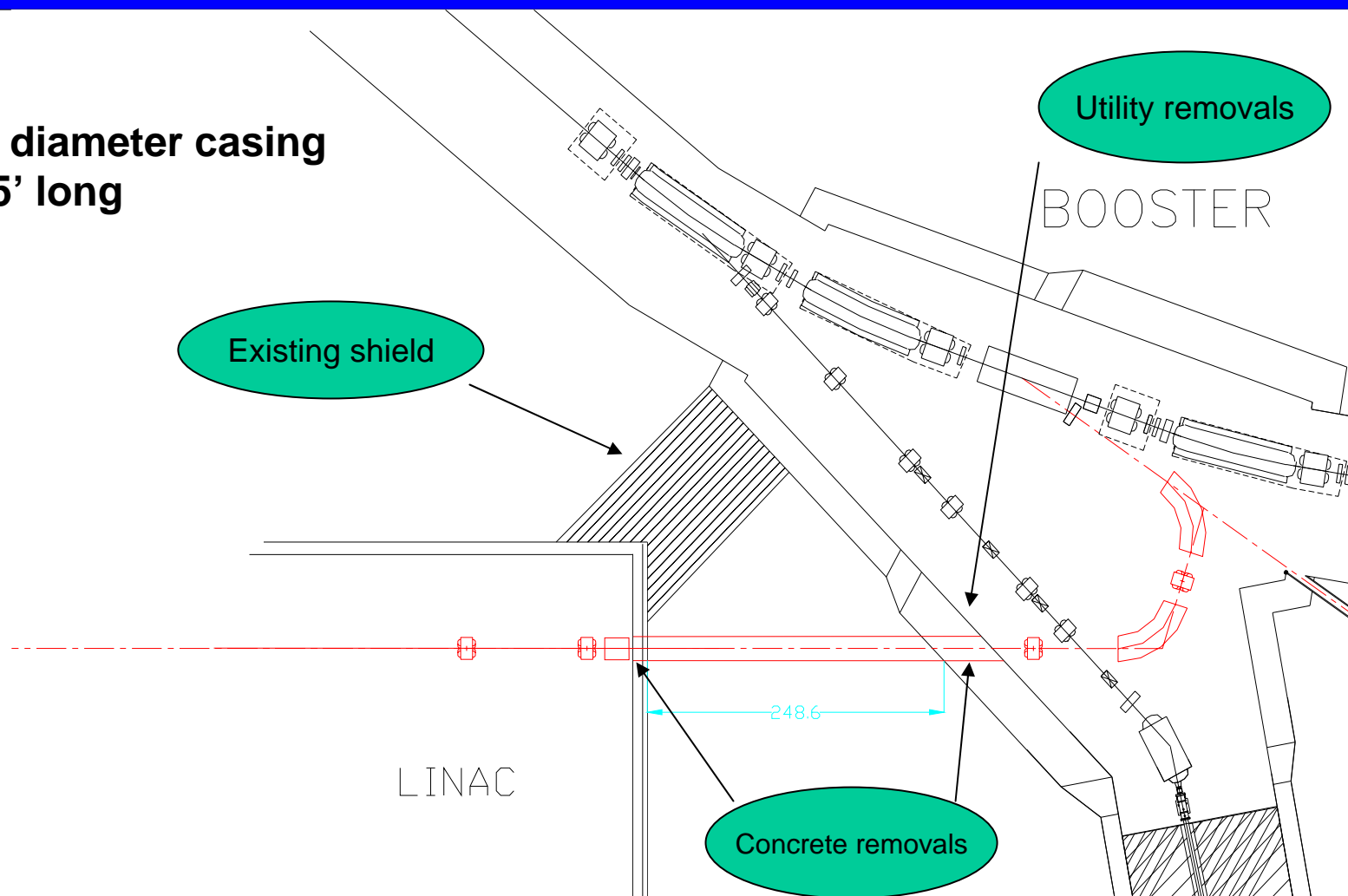
Basis of estimate ----- “Means” construction estimating guide

Facility Modifications



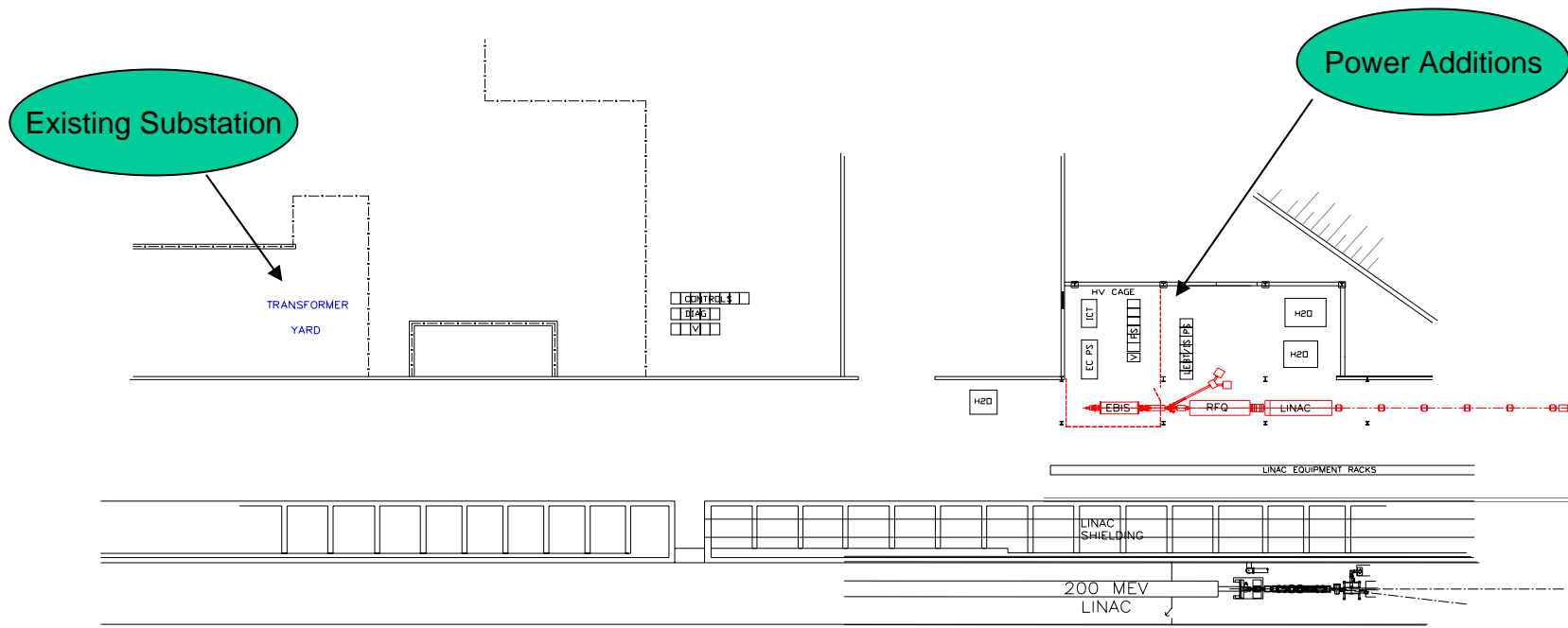
1.9.1 Beam access port

16" diameter casing
x 25' long



1.9.2 Power Modifications

EBIS Power - ~1.5 MVA (2.5 MVA available)



WBS 1.9 – Facility Modifications

- Estimated Cost

WBS	Description	Direct FY'05K\$			
		Mat'l	Labor	Contingency	Total
1.9	Facility modifications	380	135	\$135 (26%)	650

- Labor hours/equivalents

Resource Category	estimated hours
Scientist	50
Engineer	425
Designer	500
Technician	100
Building Trades	775
Total	1,850
Full Time Equivalents	1.1